

**1. Purpose:**

To change the configuration on the BD FACS Aria in order select the appropriate nozzle size.

**2. Scope:**

This method applies to all staff and users of the Flow Cytometry Core Facility

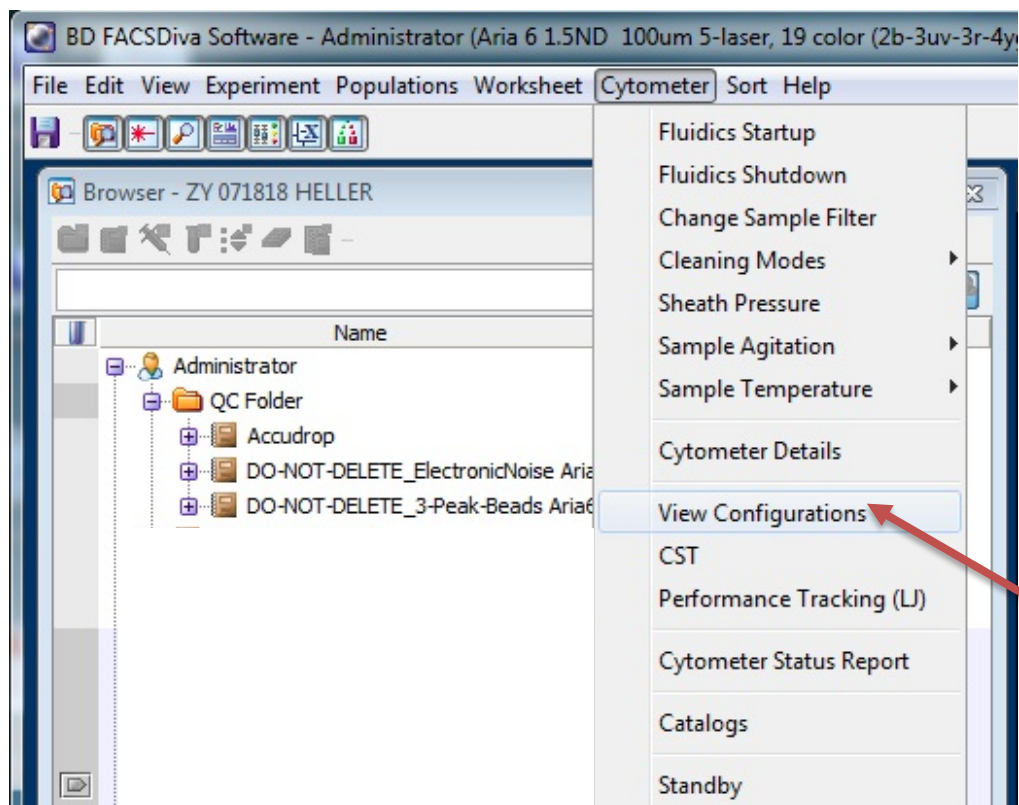
**3. Policy:**

**4. Supplies Needed:**

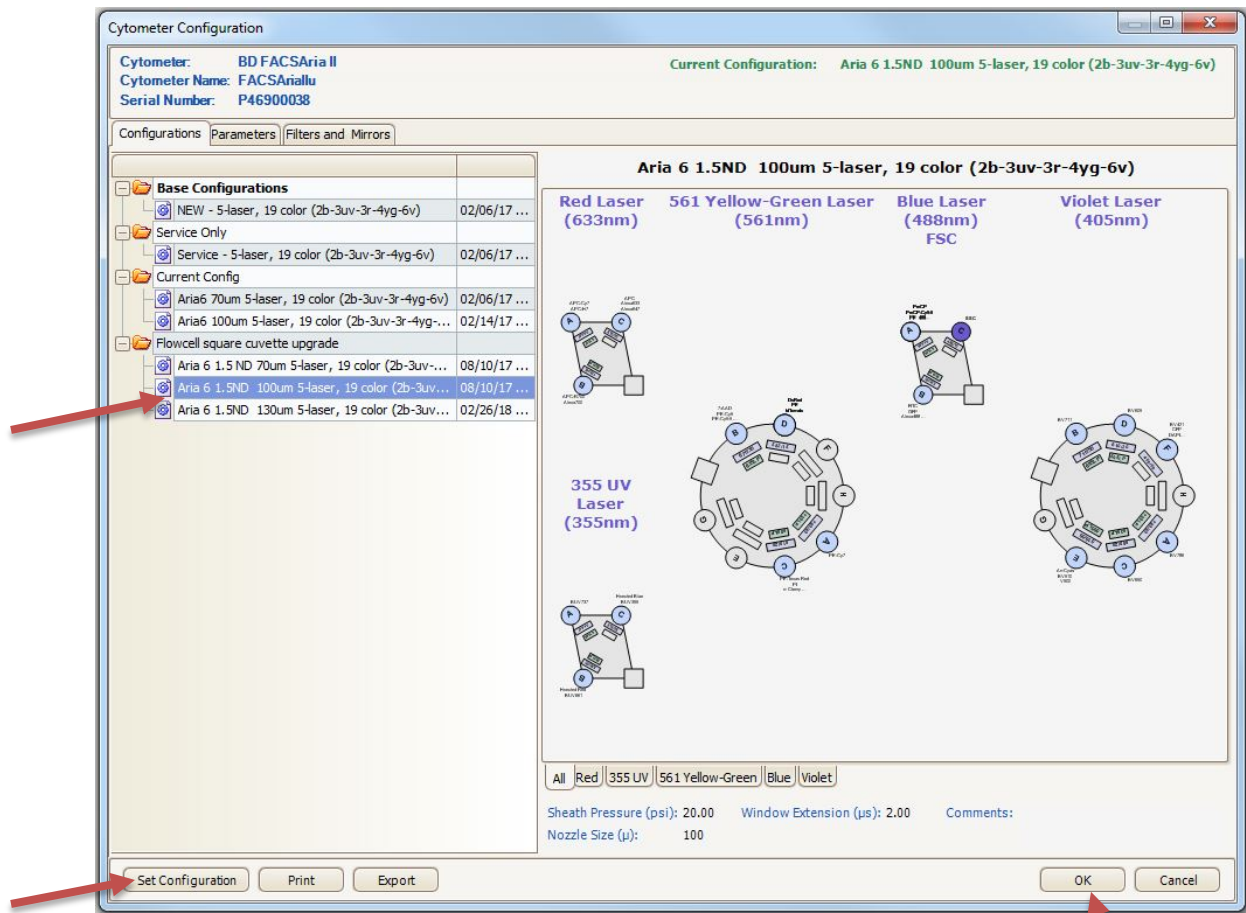
- a. BD FACS Aria
- b. 70um, 100um, or 130um nozzle.

**Changing the configuration:**

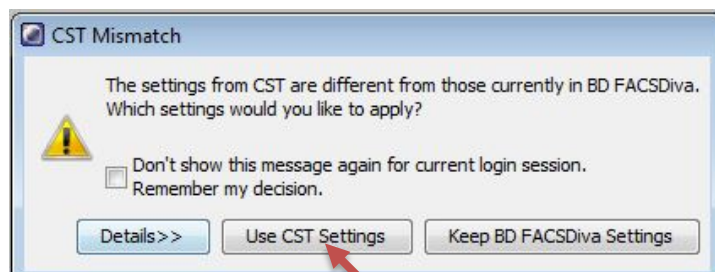
1. Ensure that the stream is off.
2. On the top toolbar go to Cytometer→View Configurations



3. Select the correct configuration for the nozzle size being used.



4. After selecting the correct nozzle size → click “Set Configuration”
5. Click ok to confirm and exit the CS&T program.
6. Once back in the DIVA software, select “use CS&T Settings” when prompted.



### Changing the nozzle:

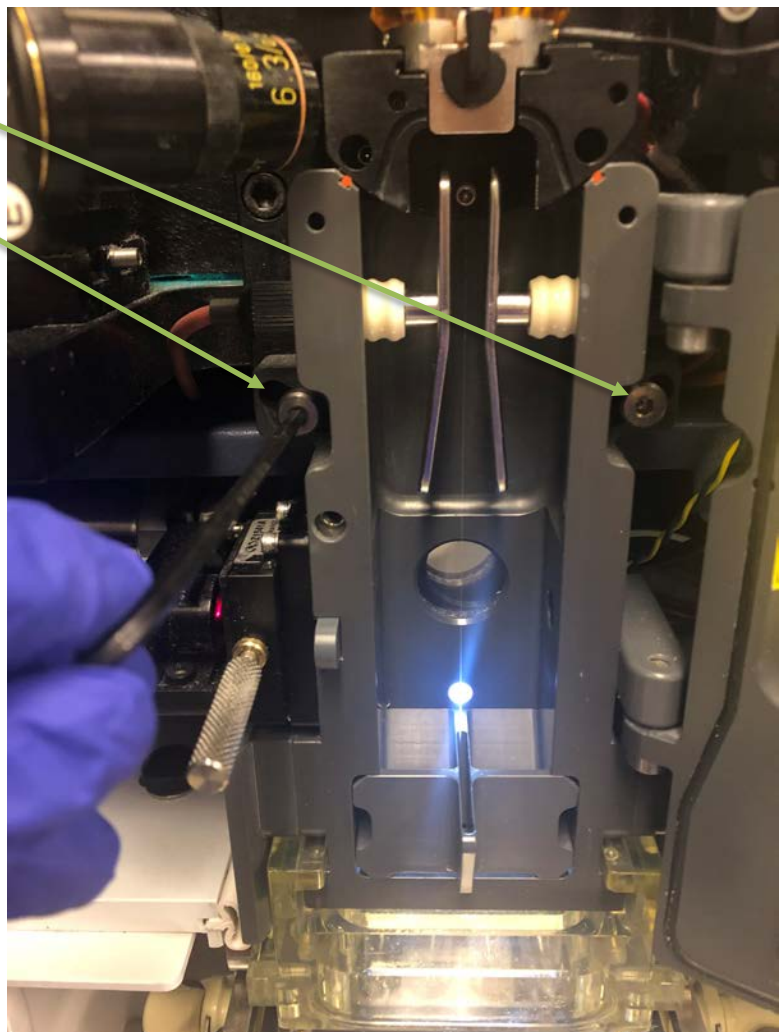
1. Check to make sure that the stream is off.

2. Remove the nozzle you wish to change out from the flow cell and place it in the appropriate receptacle (i.e. 15 mL conical tube with H<sub>2</sub>O).
3. Sonicate the correct nozzle in a 15 mL conical tube with H<sub>2</sub>O for 1 minute.
4. Decant the water, gently dry the nozzle with a Kim Wipe, and place the nozzle in the flow cell.
5. Start the stream.
6. Using a hex key, loosen the two adjustment screws and slightly move the sort block so that the stream is centered in the middle of the waste catcher. Once adjusted, hand tighten (being careful not to over tighten) the screws.

Adjustment screws are located on either side of the sort block.

Adjust the sort block so that the stream is centered.

\*Stream shown in picture is slightly to the left and block needs to be adjusted.



7. Proceed with QC and sort as per the FACS Aria™ Startup & QC Procedure.